

Amendments to the Specification

On page 11, please **amend** the first full paragraph as follows:

Another embodiment of the invention includes inspection of frames originating from the client device. ~~A frame is generally defined as~~ The frames can include the client device's MAC address as the source MAC address. Inspection of these frames at the access node allows the access node to determine the client device's MAC address. Inspection of each incoming frame at the access node incurs considerable network processing overhead even if there are no new client devices attaching to the downlink interface. Therefore, this method can be inefficient. This method can be made more efficient by only inspecting frames with source MAC addresses not matching a list of known source MAC addresses corresponding to attached client devices that have already been detected. This method of detection can fail if the client device does not generate any traffic.

On page 24, please **amend** the second full paragraph as follows:

An embodiment includes ~~wherein~~ the gateway ~~can~~ providing a proxy ARP so that a device outside of the wireless system can be spoofed into sending frames addressed to the client IP address to the first gateway's MAC address.

On page 26, please **amend** the last paragraph as follows:

A first act 1010 of Figure 10 includes the client roaming from the first access node to the second access node. An embodiment includes the second wireless access node allowing the client to maintain a same default gateway IP address as client roams from the first wireless access node. Another embodiment includes the second wireless access node ~~allows~~ allowing the client to

On page 28, please **amend** line 28 as follows:

Client Device Roaming between Clusters

On page 31, please **amend** the first full paragraph as follows:

An embodiment includes an IP-in-IP tunnel being created between a first gateway of the first cluster and a second gateway of the second cluster. An embodiment includes the first cluster being connected to a first subnet, and the second cluster being connected to a second subnet, and information destined for the client through the first gateway being rerouted to the second gateway through an IP-in-IP encapsulated tunnel.